

6. (once amended) The catalyst system of claim 4 wherein the catalyst system is supported.

8. (once amended) The catalyst system of claim 4 wherein the cyclic germanium bridged bulky ligand metallocene-type catalyst compound is represented by the formula:



where M is a Group 4, 5, 6 transition metal,  $L^A$  and  $L^B$  are bonded to M and are different,  $L^A$  and  $L^B$  are selected from the group consisting of unsubstituted or substituted, cyclopentadienyl ligands or unsubstituted or substituted, cyclopentadienyl-type bulky ligand;  $(R'GeR')_x$  is a cyclic bridging group bridging  $L^A$  and  $L^B$ , and the two R's form a cyclic ring or ring system with Ge; independently, each Q is a monoanionic ligand, or optionally two Q's together form a divalent anionic chelating ligand; and where n is 0, 1 or 2 depending on the formal oxidation state of M, and x is an integer from 1 to 4.

13. (once amended) The catalyst system of claims 4 or 8 where the cyclic germanium bridged bulky ligand metallocene-type catalyst compound is selected from one of the group consisting of cyclotrimethylenegermyl(tetramethyl cyclopentadienyl) (cyclopentadienyl) zirconium dichloride, cycloctetramethylenegermyl (tetramethyl cyclopentadienyl) (cyclopentadienyl) zirconium dichloride, cyclotrimethylenegermyl(tetramethyl cyclopentadienyl) (2-methyl indenyl) zirconium dichloride, cyclotrimethylenegermyl(tetramethyl cyclopentadienyl) (3-methyl cyclopentadienyl) zirconium dichloride, cyclotrimethylenegermyl (tetramethyl cyclopentadienyl) (2,3,5-trimethyl cyclopentadienyl) zirconium dichloride, cyclotrimethylenegermyl bis(tetra methyl cyclopentadienyl) zirconium dichloride, cycloctetramethylenegermyl(tetramethyl cyclopentadienyl) (3-methyl cyclopentadienyl) zirconium dichloride, cycloctetramethylenegermyl bis(tetra methyl cyclopentadienyl) zirconium dichloride, 3,4-dimethylcycloctetramethyl-3-enegermyl(tetramethyl cyclopentadienyl) (cyclopentadienyl) zirconium dichloride, 3,4-dimethylcycloctetramethyl-3-enegermylbis(tetramethyl cyclopentadienyl) zirconium dichloride, 3,4-dimethylcycloctetramethyl-3-enegermyl(tetramethyl cyclopentadienyl) (2,3,5-trimethyl cyclopentadienyl) zirconium dichloride, 3-methylcycloctetramethyl-3-enegermyl bis(tetra

SubC cont.  
GS  
methyl cyclopentadienyl) zirconium dichloride, 3-methylcyclopentadienyl-3-enegermyl (tetra methyl cyclopentadienyl) (cyclopentadienyl) zirconium dichloride, 3-methylcyclopentadienyl-3-enegermyl (tetra methyl cyclopentadienyl) (3-methylcyclopentadienyl) zirconium dichloride, o-xylidenegermyl bis(tetra methyl cyclopentadienyl) zirconium dichloride, o-xylidenegermyl(tetramethyl cyclopentadienyl) (cyclopentadienyl) zirconium dichloride, and o-xylidenegermyl(tetramethyl cyclopentadienyl) (3-methylcyclopentadienyl) zirconium dichloride.

Please add the following new claim:

SubC cont.  
40. (new) The catalyst system of claim 4 wherein the bulky ligands are differently substituted.

### REMARKS

Reconsideration of the present claims, in light of the above claim amendments and the Remarks which follow, is respectfully requested.

Claims now before the Examiner are 4-13 and 40, claims 14-39 having been made subject to a Restriction Requirement and claims 1-3 having been cancelled.

Support for the amendment to Claim 4 is found in Claim 14 as filed. Support for new claim 40 is found in claim 3 as filed. Support for the amendment to the Specification is found in US 6,207,606, which was incorporated by reference in the original, as filed Specification.

The numbering in this response will follow that of the Examiner's Action.

#### **Restriction Under 35 USC § 121**

1. Restriction to one of the following inventions is required.
  - I. Claims 1-13, drawn to catalysts, classified in class 502, subclass 117.
  - II. Claims 14-33, drawn to polymerization methods, classified in class 526, subclass 166.
  - III. Claims 34-39, drawn to polymers, classified in class 526, subclass 348.